

**OPINIONS AND DECLARATIONS
RENDERED BY THE INTER-
NATIONAL COMMISSION ON
ZOOLOGICAL NOMENCLATURE**

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.
Secretary to the Commission

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OPINION 464

Action under the Plenary Powers to secure (a) that the specific name *gambianus* Ogilby, 1835, as published in the combination *Sciurus gambianus* shall be the oldest available name for the Sun Squirrel and (b) that the generic name *Heliosciurus* Trouessart, 1880, shall be the oldest available generic name for that species (Class Mammalia)

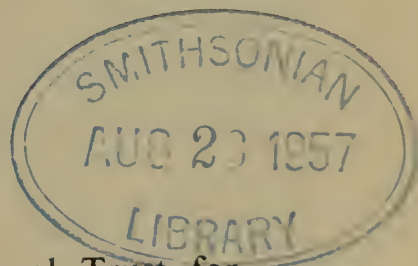
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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 464

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(12th August 1953)

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Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*)
(29th October 1954)

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October 1954)

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(6th November 1954)

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1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge,
Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria," Genova, Italy*)
(16th December 1954)

OPINION 464

ACTION UNDER THE PLENARY POWERS TO SECURE

- (a) THAT THE SPECIFIC NAME "GAMBIANUS" OGILBY, 1835, AS PUBLISHED IN THE COMBINATION "SCIURUS GAMBIANUS" SHALL BE THE OLDEST AVAILABLE NAME FOR THE SUN SQUIRREL AND (b) THAT THE GENERIC NAME "HELIOSCIURUS" TROUESSART, 1880, SHALL BE THE OLDEST AVAILABLE GENERIC NAME FOR THAT SPECIES (CLASS MAMMALIA)

RULING :—(1) The following action is hereby taken under the Plenary Powers :—

- (a) The specific name *annulatus* Desmarest, 1822, as published in the combination *Sciurus annulatus*, is hereby suppressed for the purposes of the Law of Priority, but not for those of the Law of Homonymy ;
- (b) All designations or selections of type species for the genus *Heliosciurus* Trouessart, 1880, made prior to the present Ruling are hereby set aside and the nominal species *Sciurus gambianus* Ogilby, 1835, is hereby designated to be the type species of the foregoing genus.

(2) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* with the Name No. 1079 :—

Heliosciurus Trouessart, 1880 (gender : masculine)
(type species, by designation under the Plenary

Powers in (1)(b) above : *Sciurus gambianus* Ogilby, 1835).

(3) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 1157 :—

gambianus Ogilby, 1835, as published in the combination *Sciurus gambianus* (specific name of type species of *Heliosciurus* Trouessart, 1880).

(4) The under-mentioned specific names are hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name Numbers severally specified below :—

(a) *annulatus* Desmarest, 1822, as published in the combination *Sciurus annulatus*, as suppressed under the Plenary Powers in (1)(a) above (Name No. 383) ;

(b) *annulatus* Desmoulins, 1824, as published in the combination *Sciurus annulatus* (a junior primary homonym of *annulatus* Desmarest, 1822, as published in the combination *Sciurus annulatus* (Name No. 384).

I. THE STATEMENT OF THE CASE

On 4th March 1953, Dr. T. C. S. Morrison-Scott (then of the *British Museum (Natural History)*, London, and now *Director*,

The Science Museum, London) addressed a preliminary communication to the Office of the Commission on the subject of the possible stabilisation under the Plenary Powers of the generic and specific names for the Sun Squirrel. This led to the submission by Dr. Morrison-Scott of the following application on 23rd February 1955 :—

Proposed use of the Plenary Powers for the purpose of designating for the genus “*Heliosciurus*” Trouessart, 1880, a type species in harmony with accustomed usage and for validating the specific name “*gambianus*” Ogilby, 1835, as published in the combination “*Sciurus gambianus*”, as the name for the Sun Squirrel (Class Mammalia)

By T. C. S. MORRISON-SCOTT, D.S.C., M.A., D.Sc.
(*British Museum (Natural History), London*)

The object of the present application is to ask the International Commission to use its Plenary Powers for the purpose (a) of designating for the genus *Heliosciurus* Trouessart, 1880 (Class Mammalia) a type species in harmony with accustomed usage and (b) of providing a secure basis for the specific name *gambianus* Ogilby, 1835, as published in the combination *Sciurus gambianus*, as the name for the Sun Squirrel. The facts relating to this case are set out below.

2. The nominal genus *Heliosciurus* was established in 1880 (*Le Naturaliste* 1 : 292) by Trouessart who designated *Sciurus annulatus* Desmarest, 1822 (*Ency. méth. (Mamm.)* (2) : 338) as type species. This specific name was interpreted by Trouessart as applying to the Sun Squirrel.

3. This genus was considered again in 1898 (*Proc. zool. Soc. Lond.* 1897 : 933) by Thomas who then accepted *annulatus* Desmarest as the type species. Thomas, like Trouessart, applied this name to the Sun Squirrel but added that he did so “without making prolonged nomenclatural investigations”, thereby signifying presumably that he was not fully satisfied with this identification. Later, however, Thomas (1909, *Ann. Mag. nat. Hist.* (8) 3 : 470) rejected the name *annulatus* Desmarest on the grounds that the original description was

insufficient, that the locality given by Desmarest was uncertain and that the type specimen was no longer in existence. Thomas thereupon adopted the name *Sciurus gambianus* Ogilby, 1835 (*Proc. zool. Soc. Lond.* 3(31) : 103) for the Sun Squirrel. In this action he was fully justified, if the name *annulatus* Desmarest is not available, for in that event the name *gambianus* Ogilby is the oldest available name for this species. In addition, Thomas then designated *Sciurus gambianus* Ogilby as the type species of *Heliosciurus* Trouessart. In so doing, Thomas was of course in error, since from the nomenclatorial standpoint the fact that the type species of a genus is considered to be unrecognisable is irrelevant and a genus having such a type species becomes a *genus dubium*.

4. Thomas's (1909) action has however been followed by all subsequent workers, all of whom have used the name *gambianus* Ogilby for the Sun Squirrel and have accepted that species as the type species of *Heliosciurus* Trouessart. There would clearly be no justification for disturbing this long-established practice for the technical nomenclatorial reasons described above. Two things are needed however in order to provide a secure legal basis for current usage. First, it will be necessary for the Commission to use its Plenary Powers to designate *Sciurus gambianus* Ogilby to be the type species of *Heliosciurus* Trouessart, thereby giving that genus a determinate content by providing it with a recognisable type species. Second, in order to secure the position of the name *gambianus* Ogilby, it is necessary that the *nomen dubium annulatus* Desmarest should be suppressed under the Plenary Powers for, like every *nomen dubium*, this name will remain a constant danger to nomenclatorial stability as long as it remains an available name for, until it is suppressed, it will always be open to some later worker to claim to recognise Desmarest's species and accordingly to sink *gambianus* Ogilby as a junior synonym of *annulatus* Desmarest.

5. I accordingly ask the International Commission :—

(1) to use its Plenary Powers :—

(a) to suppress the specific name *annulatus* Desmarest, 1822, as published in the combination *Sciurus annulatus*, for the purposes of the Law of Priority but not for those of the Law of Homonymy ;

(b) to set aside all designations or selections of type species for the genus *Heliosciurus* Trouessart, 1880, made prior

to the Ruling now asked for, and, having done so, to designate *Sciurus gambianus* Ogilby, 1835, to be the type species of the foregoing genus ;

(2) to place the under-mentioned generic name on the *Official List of Generic Names in Zoology* :—*Heliosciurus* Trouessart, 1880 (gender : masculine) (type species, by designation under the Plenary Powers under (1)(b) above : *Sciurus gambianus* Ogilby, 1835) ;

(3) to place the under-mentioned specific name on the *Official List of Specific Names in Zoology* :—*gambianus* Ogilby, 1835, as published in the combination *Sciurus gambianus* (specific name of type species of *Heliosciurus* Trouessart, 1880) ;

(4) to place the under-mentioned specific names on the *Official Index of Rejected and Invalid Specific Names in Zoology* :—

(a) *annulatus* Desmarest, 1822, as published in the combination *Sciurus annulatus*, as suppressed under the Plenary Powers under (1)(a) above ;

(b) *annulatus* Desmoulins, 1824 (*Dict. Class. Hist. nat.* 6 : 73), as published in the combination *Sciurus annulatus* (a junior primary homonym of *annulatus* Desmarest, 1822, as published in the combination *Sciurus annulatus*).

II. THE SUBSEQUENT HISTORY OF THE CASE

2. Registration of the present application : Upon the receipt of Dr. Morrison-Scott's preliminary communication in March 1953, the question of the name to be accepted for the Sun Squirrel was allotted the Registered No. Z.N.(S.) 909.

3. Publication of the present application : The present application was sent to the printer on 11th March 1955 and was published on 31st May in the same year in Part 6 of Volume 11 of the *Bulletin of Zoological Nomenclature* (Morrison-Scott, 1955, *Bull. zool. Nomencl.* **11** : 186—188).

4. Issue of Public Notices : Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* **4** : 51—56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers was given on 31st May 1955 (a) in Part 6 of Volume 11 of the *Bulletin of Zoological Nomenclature* (the Part in which Dr. Morrison-Scott's application was published) and (b) to the other prescribed serial publications. In addition such Notice was given also to four general zoological serial publications and to two specialist serials in Europe and America.

5. Comments received : Following the publication of the present application in the *Bulletin of Zoological Nomenclature* and prior to the submission to the International Commission of a Voting Paper in respect of the present case, comments on the proposal submitted were received from fifteen specialists. Of these twelve (12) supported the present application and three (3) were opposed to it. The distribution by countries of the specialists who furnished these comments was as follows :—

(a) *Specialists who supported the present application (twelve (12)) :*
Argentina (one) ; Australia (one) ; Belgium (one) ;
France (one) ; Germany (two) ; Italy (one) ; Poland
(one) ; United Kingdom (three) ; U.S.A. (one).

(b) *Specialists who opposed the present application (three (3)) :*
Netherlands (two) ; U.S.A. (one).

The comments so received are reproduced in the immediately following paragraphs.

6. Support received from Sir John Ellerman (London) : On 2nd March 1956, Sir John Ellerman (*London*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *gambianus* Ogilby for the African Sun Squirrel and of the acceptance of this species as the type species of *Heliosciurus* Trouessart.

7. Support received from R. W. Hayman (British Museum (Natural History), London) : On 2nd March 1956, Mr. R. W. Hayman (*British Museum (Natural History), London*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *gambianus* Ogilby, 1835 (*Sciurus*) for the African Sun Squirrel and of the acceptance of this species as the type species of *Heliosciurus* Trouessart, 1880.

8. Support received from H. von Boetticher (Naturwissen-Schaftliches Museum, Coburg, Germany) : On 3rd March 1956, Dr. H. von Boetticher (*Naturwissen-Schaftliches Museum, Coburg, Germany*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *gambianus* Ogilby, 1835 (*Sciurus*) for the African Sun Squirrel and of the acceptance of this species as the type species of *Heliosciurus* Trouessart, 1880.

9. Support received from S. Frechkop (Institut Royal des Sciences Naturelles de Belgique, Bruxelles) : On 5th March 1956, Dr. S. Frechkop (*Institut Royal des Sciences Naturelles de Belgique, Bruxelles*) intimated his support for the present application as follows :—

Je demande la validation de *Heliosciurus gambianus* Ogilby. *Sciurus annulatus* Desmarest semble être un *nomen nudum*.

10. Support received from T. Haltenorth (Zoologische Staatssammlung, München, Germany) : On 5th March 1956, Dr. T. Haltenorth (*Zoologische Staatssammlung, München, Germany*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *gambianus* as type species of *Heliosciurus*.

11. Support received from V. Tedesco Zammarano (Rome) : On 5th March 1956, Dr. V. Tedesco Zammarano (*Rome*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *gambianus* Ogilby, 1835.

12. Support received from William H. Burt (Museum of Zoology, University of Michigan, Ann Arbor, U.S.A.) : On 5th March 1956, Dr. William H. Burt (*Museum of Zoology, University of Michigan, Ann Arbor, U.S.A.*) intimated his support for the present application as follows :—

I am in favor of the validation by the Commission of the name *gambianus* Ogilby, 1835 (*Sciurus*) for the African Sun Squirrel and of the acceptance of this species as the type species of *Heliosciurus*.

13. Support received from Miss E. M. O. Laurie (British Museum (Natural History), London) : On 6th March 1956, Miss E. M. O. Laurie (*British Museum (Natural History), London*) intimated her support for the present case as follows :—

I am in favour of the validation by the Commission of the name *gambianus* Ogilby, 1835 (*Sciurus*) for the African Sun Squirrel and of the acceptance of this species as the type species of *Heliosciurus* Trouessart, 1880.

14. Support received from A. Cabrera (La Plata, Argentina) : On 6th March 1956, Dr. A. Cabrera (*La Plata, Argentina*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *gambianus* Ogilby, both as the name for the Sun Squirrel and as the type species of *Heliosciurus*.

15. Support received from W. Serafiński (Polish Academy of Sciences, Warsaw) : On 8th March 1956, Dr. W. Serafiński (*Polish Academy of Sciences, Warsaw*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *gambianus* Ogilby, 1835.

16. Support received from J. Dorst (Muséum National d'Histoire Naturelle, Paris) : On 12th March 1956, Dr. J. Dorst (*Muséum National d'Histoire Naturelle, Paris*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *gambianus* Ogilby, 1835, as the type species of *Heliosciurus* Trouessart, 1880.

17. Support received from C. W. Brazenor (National Museum of Victoria, Australia) : On 19th March 1956, Dr. C. W. Brazenor (*National Museum of Victoria, Australia*) intimated his support for the present application as follows :—

I am in favour of the validation by the Commission of the name *gambianus* Ogilby, 1835 (*Sciurus*) for the African Sun Squirrel and of the acceptance of this species as the type species of *Heliosciurus* Trouessart, 1880.

18. Objection received from P. Hershkovitz (Chicago Natural History Museum, Chicago, U.S.A.) : On 26th September 1955, E. P. Hershkovitz (*Chicago Natural History Museum, Chicago*,

U.S.A.) addressed the following letter to the Office of the Commission in regard to the present case :—

Dr. Morrison-Scott has proposed that the Commission use its Plenary Powers to change the type species of *Heliosciurus* Trouessart, 1880, from the originally designated *Sciurus annulatus* Desmarest to a “ type species in harmony with accustomed usage ”, namely, *Sciurus gambianus* Ogilby. His argument for the substitution is based chiefly on an opinion expressed by Thomas in 1909 (*Ann. Mag. nat. Hist.* (8) 3 : 470 and footnote) that *Heliosciurus gambianus* Ogilby was identical with “ *H. annulatus*, Trouessart *et auct. al.*, but the evidence for the identification of Desmarest’s non-localised *S. annulatus*, of which the type no longer exists, with the Gambian squirrel is so insufficient that I [Thomas] am not prepared to accept it ”.

It is admitted by Thomas, but not mentioned by Morrison-Scott, that all previous authors have identified *Sciurus gambianus* with *Heliosciurus annulatus*, as understood by Trouessart. The true identity of *Sciurus annulatus* Desmarest may be different but to determine this is strictly a zoological matter not subject to a ruling by the International Commission on Zoological Nomenclature. If it can be shown that the type designated by Trouessart is not the same species described by Desmarest as *Sciurus annulatus*, the minor nomenclatorial problem that arises is readily disposed of by established rulings (*cf.* Article 30 and clarifying paragraph 128 of the Copenhagen Decisions).

In this connection it is of interest to add the following opinions and facts bearing upon the case.

The original description of *Sciurus annulatus* is based on a specimen then, if not now, in the collection of the Paris museum.

The original description of *annulatus* Desmarest applies to any number of specimens of African Sun Squirrels in the collection of the Chicago Natural History Museum. It does not apply to any other kind of squirrel and there is no need (see below) for comparing the description of *annulatus* with any but African squirrels.

The original description of *Sciurus gambianus* Ogilby is not as complete, clear and precise as that of *annulatus* Desmarest. As far as it goes, however, it applies to specimens of the same species identifiable as *S. annulatus*.

The type locality of *annulatus* was unknown to Desmarest. Nevertheless, serious attention must be paid to the opinions of authorities who, unlike Thomas and Morrison-Scott, gave some indication of

having examined the type, or a specimen representing it, in the Paris museum.

Boitard (1849, *Dict. Univ. Hist. nat.*, 5 : 213) referring to *Sciurus annulatus* Desmarest, states, “ on le trouve au Sénégal ”. This may be regarded as a subsequent designation of the type locality.

Temminck (1853, *Esquisse zoologiques sur la côte de Guinée*, pt. 1, Mamm. : 137) revised squirrels of the west coast of Africa. His redescription of *S. annulatus* Desmarest coincides with the original but with added details that could only have been taken from an actual specimen. He gives the distribution “ La Sénégambie, très-commun au Sénégal ”.

Huet (1880, *Nouv. Arch. Mus. Hist. nat.*, Paris (2), 3 : 131—158) in his revision of African squirrels in the Paris museum determines (p. 150) “ Le Sénégal la Guinée et Fernando Po ”, as the “ localités habitées par cette espèce décrite par Desmarest, d’après un exemplaire du Muséum, d’origine inconnue ”. Huet enforces this with the redundant statement that “ aujourd’hui l’on est bien fixé sur la patrie, et son origine ne fait plus aucun doute ”. He lists three specimens, one a male from Senegal collected by Perrotet.

Jentink (1880, *Notes Leyden Mus.* 4 : 23) formally lists *Sciurus gambianus* Ogilby, and other nominal forms, in the synonymy of *Sciurus annulatus* Desmarest.

Trouessart (1880, *Le Naturaliste* 1 : 292) proposes *Heliosciurus* as a new subgenus of *Sciurus*. Eleven nominal species are listed in the subgenus with *S. annulatus* formally designated type. *S. gambianus* Ogilby is not among the included species. There is absolutely no reason for assuming that Trouessart’s concept of *S. annulatus* is different from that of his colleagues and predecessors in the Paris museum.

Trouessart (1887, *Cat. Mamm.* : 412) lists *gambianus* (and other nominal forms) in the synonymy of *Heliosciurus annulatus*. Trouessart here is first reviser of his own genus *Heliosciurus*.

Rode (1943, *Bull. Mus. Hist. nat., Paris*, (2) 15 : 382) lists a squirrel in the present collection of the Paris museum as follows :

“ [Type catalogue No.] 301.—*Sciurus annulatus* Desmarest ♂

“ Holotype.—L'Ecureuil à queue annelée.

“ *Heliosciurus gambianus gambianus* (Ogilby)

“ Provenance : Sénégal par M. Perrotet (1825 ?) No. 352

“ Spécimen monté, en bon état. Tête osseuse dans la peau.”

If the Perrotet specimen was collected or donated to the Paris museum in 1825, it cannot be the one described by Desmarest in 1822. If it were, Desmarest would certainly have given the same information regarding *provenance* supplied by Rode, and before him by Boitard and Huet (see above). In 1880, Jentink (*loc. cit.*, p. 25) wrote that “ the type specimen of Desmarest's *Sciurus annulatus* is not to be found in the Museum du Jardin des Plants. According to Prof. Alph. Milne Edwards it was usual with Geoffroy to put a more beautiful specimen of the same species in the place of another if the latter was in a bad state of preservation and in this way the type in question appears also to have been lost. Happily, the description given by Desmarest is so clear that there can be no matter of doubt ”.

G. M. Allen (1939, *Bull. Mus. comp. Zool.* 83 : 294) gives the type of *Heliosciurus* as *Sciurus annulatus* Desmarest. The work cited is “A Checklist of African Mammals”, the current comprehensive reference.

The evidence presented here and in Morrison-Scott's proposal may be summarized as follows :—

- (1) The claim that use of the name *Sciurus gambianus* Ogilby as type species of the genus *Heliosciurus* is “ in harmony with accustomed usage ” does not accord with the facts.
- (2) The Sole basis for Morrison-Scott's appeal to the Commission is Thomas's above-quoted opinion implying a unilateral attempt to cancel Article 30 of the *Règles* and the unanimous decisions of competent authorities and First Revisers.
- (3) Morrison-Scott's further request to the Commission (*loc. cit.*, p. 187) that the name *Sciurus annulatus* Desmarest be suppressed so that no later worker may “ claim to recognize Desmarest's species and accordingly to sink *gambianus* Ogilby as a junior synonym of *annulatus* ”, is a move toward the restriction of legitimate scientific inquiry and the censorship of valid

opinions. In any case, the proposal comes too late. Competent students familiar with the facts have consistently sunk *gambianus* in the synonymy of *annulatus*.

19. Objection received from A. C. V. van Bemmél (Alkmaar, Netherlands) : On 4th March 1956, Dr. A. C. V. van Bemmél (*Alkmaar, Netherlands*) intimated his objection to the present application as follows :—

I am in favour of accepting the name *annulatus* Desmarest, 1822 (*Sciurus*), for the African Sun Squirrel and therefore of accepting *annulatus* Desmarest as the type species of *Heliosciurus* Trouessart.

20. Objection received from F. H. van den Brink (Noordwijk aan Zee, Netherlands) : On 24th March 1956, Me. F. H. van den Brink (*Noordwijk aan Zee, Netherlands*) intimated his objection to the present application as follows :—

I am in favour of accepting the name *annulatus* Desmarest, 1822 (*Sciurus*), for the African Sun Squirrel and therefore of accepting *annulatus* Desmarest as the type species of *Heliosciurus* Trouessart.

III. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

21. Issue of Voting Paper V.P.(56)25 : On 26th April 1956 a Voting Paper (V.P.(56)25) was issued in which the Members of the Commission were invited to vote either for, or against, “the proposal relating to the generic and specific names for the Sun Squirrel as set out in Points (1) to (4) in paragraph 5 on pages 187—188 of Volume 11 of the *Bulletin of Zoological Nomenclature*” [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Opinion*].

22. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 26th July 1956.

23. Particulars of the Voting on Voting Paper V.P.(56)25 : At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(56)25 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Vokes ; Prantl ; Esaki ; Jaczewski ; Hankó ;
Dymond ; Bonnet ; Bodenheimer ; Mayr ; Mertens ;
Lemche ; Key ; Boschma ; do Amaral ; Riley ;
Cabrera ; Stoll ; Sylvester-Bradley ; Tortonese ;
Hemming ; Kühnelt ; Hering ; Miller ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, one (1) :*

Bradley (J.C.) ;

(d) *Voting Papers not returned :*

None.

24. Declaration of Result of Vote : On 27th July 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (56)25, signed a Certificate that the Votes cast were as set out in paragraph 23 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that

the decision so taken was the decision of the International Commission in the matter aforesaid.

25. Preparation of the Ruling given in the present " Opinion " : On 5th January 1957, Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(56)25.

26. Original References : The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Opinion* :—

annulatus, *Sciurus*, Desmarest, 1822, *Ency. méth.* (Mamm.)
(2) : 338

annulatus, *Sciurus*, Desmoulins, 1824, *Dict. Class. Hist. nat.* 6 : 73

gambianus, *Sciurus*, Ogilby, 1835, *Proc. zool. Soc. Lond.* 3(31) : 103

Heliosciurus Trouessart, 1880, *Le Naturaliste* 1 : 292

27. Family-Group-Name Aspect : The genus *Heliosciurus* Trouessart is currently placed in the nominate subfamily of the family SCIURIDAE and accordingly no family-group-name problem arises in the present case.

28. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

29. The present *Opinion* shall be known as *Opinion* Four Hundred and Sixty-Four (464) of the International Commission on Zoological Nomenclature.

DONE in London, this Fifth day of January, Nineteen Hundred and Fifty-Seven.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING